

Title (en)  
COMPONENT MOUNTING SYSTEM AND COMPONENT MOUNTING METHOD

Title (de)  
MASCHINE ZUR MONTAGE VON KOMPONENTEN UND VERFAHREN ZUR MONTAGE VON KOMPONENTEN

Title (fr)  
SYSTÈME DE MONTAGE DE COMPOSANT ET PROCÉDÉ DE MONTAGE DE COMPOSANT

Publication  
**EP 3190864 A1 20170712 (EN)**

Application  
**EP 14901294 A 20140902**

Priority  
JP 2014073093 W 20140902

Abstract (en)  
In a case in which a board type to be produced in each component mounting machine 35 is switched from a circuit board A to a circuit board B, an exchanging robot 45 which automatically exchanges cassette-type feeders 11 performs feeder exchange work before board type switching in parallel with component mounting work onto the final circuit board A before the board type switching, and in the feeder exchange work before the board type switching, the cassette-type feeders 11 which are not used in production (the circuit board B) after the board type switching, from among the cassette-type feeders 11 for which supplying of the components which are necessary for the component mounting work onto the final circuit board A of the production during the production before the board type switching is completed, are sequentially removed from a feeder setting area 41 of the component mounting machine 35, are sequentially collected in a feeder stocking area 43, and the cassette-type feeders 11 which are used in the production (the circuit board B) after the board type switching are sequentially removed from the feeder stocking area 43 and are sequentially set in the feeder setting area 41 of the component mounting machine 35.

IPC 8 full level  
**H05K 13/02** (2006.01)

CPC (source: EP US)  
**H05K 13/0069** (2013.01 - US); **H05K 13/021** (2013.01 - EP US); **H05K 13/0417** (2013.01 - EP US); **H05K 13/085** (2018.07 - EP US); **H05K 13/0857** (2018.07 - EP US); **H05K 13/086** (2018.07 - EP US); **Y10T 29/53187** (2015.01 - US)

Cited by  
CN112166660A; CN112586106A; EP3843518A4; US2021315140A1; US11991832B2; CN112292919A; EP3806604A4; EP3806599A4; EP3826445A4; EP3923690A4; CN112166657A; EP3806605A4; US11937376B2; JP2021048221A; CN113170606A; EP3920676A4; US12041726B2; EP3806605B1

Designated contracting state (EPC)  
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)  
BA ME

DOCDB simple family (publication)  
**EP 3190864 A1 20170712**; **EP 3190864 A4 20170830**; **EP 3190864 B1 20181212**; CN 106664820 A 20170510; CN 106664820 B 20190419; JP 6377752 B2 20180822; JP WO2016035145 A1 20170622; US 10561050 B2 20200211; US 2017303448 A1 20171019; WO 2016035145 A1 20160310

DOCDB simple family (application)  
**EP 14901294 A 20140902**; CN 201480081593 A 20140902; JP 2014073093 W 20140902; JP 2016546224 A 20140902; US 201415506052 A 20140902